58

- 2) a corrected geometric mean area under the curve (AUC)<sub>0-24</sub> of estrone sulfate of about 56 pg\*hr/ml to about 84 pg\*hr/ml.
- **9.** The pessary of claim **8**, wherein the pessary further provides a corrected geometric mean time to peak plasma concentration  $(T_{max})$  of estrone sulfate of about 4 hrs to about 7 hrs.
- 10. A pessary comprising about 4  $\mu$ g of 17 $\beta$ -estradiol in a solubilizing agent comprising a medium chain oil, wherein after a single administration of the pessary to a patient provides, in a plasma sample from the patient:
  - a corrected geometric mean peak plasma concentration (Cmax) of 17β-estradiol of about 4 pg\*hr/ml to about 8 pg\*hr/ml; and
  - 2) a corrected geometric mean area under the curve (AUC)<sub>0-24</sub> of 17β-estradiol of about 16 pg\*hr/ml to about 26 pg\*hr/ml, wherein 17β-estradiol is the only active hormone in the pessary.
- 11. The pessary of claim 10, wherein the pessary further provides a corrected geometric mean time to peak plasma concentration ( $T_{max}$ ) of 17 $\beta$ -estradiol of about 0.25 hrs to about 2 hrs.
- 12. The pessary of claim 10, wherein administration of the pessary to a patient provides, in a plasma sample from the patient:
  - a corrected geometric mean peak plasma concentration (C<sub>max</sub>) of estrone of about 1 pg\*hr/ml to about 3 pg\*hr/ml; and
  - a corrected geometric mean area under the curve (AUC)<sub>0-24</sub> of estrone of about 8 pg\*hr/ml to about 13 pg\*hr/ml.
- 13. The pessary of claim 12, wherein the pessary further provides a corrected geometric mean time to peak plasma concentration  $(T_{max})$  of estrone of about 1 hrs to about 4 hrs.

- 14. The pessary of claim 10, wherein administration of the pessary to a patient provides, in a plasma sample from the patient:
  - a corrected geometric mean peak plasma concentration (C<sub>max</sub>) of estrone sulfate of about 4 pg\*hr/ml to about 7 pg\*hr/ml; and
  - a corrected geometric mean area under the curve (AUC)<sub>0-24</sub> of estrone sulfate of about 22 pg\*hr/ml to about 34 pg\*hr/ml.
- 15. The pessary of claim 14, wherein the pessary further provides a corrected geometric mean time to peak plasma concentration  $(T_{max})$  of estrone sulfate of about 1 hrs to about 3 hrs.
- 16. The pessary of claim 1, wherein the medium chain oil comprises at least one C6-C12 fatty acid or a glycol, monoglyceride, diglyceride, or triglyceride ester thereof.
- 17. The pessary of claim 1, wherein the medium chain oil comprises a monoglyceride, diglyceride, or triglyceride ester of the at least one C6-C12 fatty acid.
- **18**. The pessary of claim **4**, wherein the medium chain oil comprises at least one C6-C12 fatty acid or a glycol, monoglyceride, diglyceride, or triglyceride ester thereof.
- 19. The pessary of claim 4, wherein the medium chain oil comprises a monoglyceride, diglyceride, or triglyceride ester of the at least one C6-C12 fatty acid.
- 20. The pessary of claim 10, wherein the medium chain oil comprises at least one C6-C12 fatty acid or a glycol, monoglyceride, diglyceride, or triglyceride ester thereof.
- 21. The pessary of claim 10, wherein the medium chain oil comprises a monoglyceride, diglyceride, or triglyceride ester of the at least one C6-C12 fatty acid.

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